WHAT IS CLAIMED IS:

1.   A recording medium of non-volatile semiconductor comprising a partition management information region and a partition region, wherein

an information on a start position of the partition region is recorded in the partition management information region,

the start position information includes a value at which a predetermined region is secured between a terminal end of the partition management information region and a starting end of the partition region, and

the region secured between the terminal end of the partition management information region and the starting end of the partition region is in a state where data is physically erased.

2.   A recording medium of non-volatile semiconductor comprising a partition management information region and N pieces (N is an integer at least two) of partition regions, wherein

an information on start positions of the N pieces of partition regions is recorded in the partition management information region,

the start position information includes a value at which a predetermined region is secured between a terminal end of the (N-1)th partition region and a starting end of the Nth partition region, and

the region secured between the terminal end of the (n-1)th partition region and the starting end of the nth partition region is in a state where data is physically erased.

3.   A recording medium of non-volatile semiconductor in which information is recorded according to a recording format of a predetermined file system, wherein

a region which is not used for the recording is included in the recording format of the file system, and

the region which is not used for the recording is in a state where data is physically erased.

4. A recording medium of non-volatile semiconductor in which information is recorded according to a recording format of FAT file system, wherein

a partition boot information region and a file allocation table region are included,

an information on number of reserved sectors is recorded in the partition boot information region,

the information on the number of the reserved sectors includes a value at which a predetermined region is secured between a terminal end of the partition boot information region and a starting end of the file allocation table region, and

the region secured between the terminal end of the partition boot information region and the starting end of the file allocation table region is in a state where data is physically erased.

5. A recording medium of non-volatile semiconductor in which information is recorded according to a recording format of UDF file system, wherein

a partition descriptor information region and a space bit map region are included,

an information on a start position of the space bit map region is recorded in the partition descriptor information region,

the start position information includes a value at which a predetermined region is secured prior to a starting end of the space bit map region, and

the region secured prior to the starting end of the space bit map region is in a state where data is physically erased.

6. A recording medium of non-volatile semiconductor in which information is recorded according to a recording format of FAT file system, wherein

a user data region comprising a plurality of clusters and a file allocation table region are included,

an information on a state of each cluster in the user data region is recorded in the file allocation table region,

5   the state information includes a value indicating if a particular cluster is a defective cluster, a reserved cluster or an already-used cluster, and

a region of the cluster of the user data region corresponding to the particular cluster of the state information

10   is in a state where data is physically erased.

7.   A method of recording information in a recording medium of non-volatile semiconductor, wherein

a   partition management information region and a partition region are set in the recording medium of non-volatile

15   semiconductor,

an information on a start position of the partition region is recorded in the partition management information region, and a value at which a predetermined region is secured between a terminal end of the partition management information region

20   and a starting end of the partition region is recorded as the start position information, and

the region secured between the terminal end of the partition management information region and the starting end of the partition region is in a state where data is physically

25   erased.

8.   A method of recording information in a recording medium of non-volatile semiconductor, wherein

a partition management information region and an N pieces (N is an integer at least two) of partition regions are set

30   in the recording medium of non-volatile semiconductor, wherein

an information on start positions of the N pieces of partition regions is recorded in the partition management information region, and a value at which a predetermined region

is secured between a terminal end of the (N-1)th partition region and a starting end of the Nth partition region is recorded as the start position information, and

the region secured between the terminal end of the (N-1)th partition region and the starting end of the Nth partition region is in a state where data is physically erased.

9. A method of recording information in a recording medium of non-volatile semiconductor according to a predetermined file system, wherein

a region which is not used for the recording is set in a recording format of the file system in the recording medium of non-volatile semiconductor, and

the region which is not used for the recording is in a state where data is physically erased.

10. A method of recording information in a recording medium of non-volatile semiconductor according to FAT file system, wherein

a partition boot information region and a file allocation table region are set in the recording medium of non-volatile semiconductor,

an information on number of reserved sectors is recorded in the partition boot information region, and a value at which a predetermined region is secured between a terminal end of the partition boot information region and a starting end of the file allocation table region is recorded as the information on the number of the reserved sectors, and

the region secured between the terminal end of the partition boot information region and the starting end of the file allocation table region is in a state where data is physically erased.

11. A method of recording information in a recording medium of non-volatile semiconductor according to UDF file system, wherein

a partition descriptor information region and a space bit map region are set in the recording medium of non-volatile semiconductor,

an information on a start position of the space bit map region is recorded in the partition descriptor information region, and a value at which a predetermined region is secured prior to a starting end of the space bit map region is recorded as the start position information, and

the region secured prior to the starting end of the space bit map region is in a state where data is physically erased.

12. A method of recording information in a recording medium of non-volatile semiconductor according to FAT file system, wherein

a user data region comprising a plurality of clusters and a file allocation table region are set in the recording medium of non-volatile semiconductor,

an information on a state of each cluster in the user data region is recorded in the file allocation table region, and a value indicating if a particular cluster is a defective cluster, a reserved cluster or an already-used cluster is recorded as the state information, and

a region of the cluster of the user data region corresponding to the particular cluster of the state information is in a state where data is physically erased.

13. An information recording format for a recording medium of non-volatile semiconductor, wherein

a partition management information region and a partition region are set in the recording medium of non-volatile semiconductor,

an information on a start position of the partition region is recorded in the partition management information region,

the start position information includes a value at which a predetermined region is secured between a terminal end of

the partition management information region and a starting end of the partition region, and

the region secured between the terminal end of the partition management information region and the starting end of the partition region is in a state where data is physically erased.

14.   An information recording format for a recording medium of non-volatile semiconductor, wherein

a partition management information region and N pieces (N is an integer at least two) of partition regions are set in the recording medium of non-volatile semiconductor,

an information on start positions of the N pieces of partition regions is recorded in the partition management information region,

the start position information includes a value at which a predetermined region is secured between a terminal end of the (N-1)th partition region and a starting end of the Nth partition region, and

the region secured between the terminal end of the (n-1)th partition region and the starting end of the nth partition region is in a state where data is physically erased.

15.   An information recording format for a recording medium of non-volatile semiconductor in recording information according to a predetermined file system, wherein

a region which is not used for the recording is set in a recording format of the file system in the recording medium of non-volatile semiconductor, and

the region which is not used for the recording is in a state where data is physically erased.

16.   An information recording format for a recording medium of non-volatile semiconductor in recording information according to FAT file system, wherein

a partition boot information region and a file allocation

table region are set in the recording medium of non-volatile semiconductor,

an information on number of reserved sectors is recorded in the partition boot information region,

5 information on the number of the reserved sectors includes a value at which a predetermined region is secured between a terminal end of the partition boot information region and a starting end of the file allocation table region, and

the region secured between the terminal end of the

10 partition boot information region and the starting end of the file allocation table region is in a state where data is physically erased.

17. An information recording format for a recording medium of non-volatile semiconductor in recoding information

15 according to UDF file system, wherein

a partition descriptor information region and a space bit map region are set in the recording medium of non-volatile semiconductor,

an information on a start position of the space bit map

20 region is recorded in the partition descriptor information region;

the start position information includes a value at which a predetermined region is secured prior to a starting end of the space bit map region, and

25 the region secured prior to the starting end of the space bit map region is in a state where data is physically erased.

18. An information recording format for a recording medium of non-volatile semiconductor in recording information according to FAT file system, wherein

30 a user data region comprising a plurality of clusters and a file allocation table region are set in the recording medium of non-volatile semiconductor,

an information on a state of each cluster in the user

data region is recorded in the file allocation table region,

the state information includes a value indicating if a particular cluster is a defective cluster, a reserved cluster or an already-used cluster, and

5   a region of the cluster of the user data region corresponding to the particular cluster of the state information is in a state where data is physically erased.